



COLLEGE of SOUTHERN UTAH

BRANCH of UTAH STATE AGRICULTURAL COLLEGE
CEDAR CITY, UTAH

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CEDAR CITY, UTAH

June 24, 1957

DARYL CHASE
President, U. S. A. C.
LOGAN, UTAH

Mr. Hubert Lambert
State Engineering Office
Salt Lake City, Utah

Dear Hubert:

Following is my report of the trip to Wayne County.

I went first to the Pleasant Creek ranch and found there was no diversion of water at this place. The evidence showed that there had been no diversion this year. I followed up the diversion ditch and found their dam had been washed out and the maximum capacity of the ditch, in its present condition, would not be more than two c.f.s. I think the map is plenty liberal in its interpretation of irrigated land. There has only been about five acres of grain planted this year and it has not been irrigated, though it is corrigated. The balance of the land doesn't appear to have been planted last year and the 6 and 6/10 acres on map 229A and the 1.02 acres on map 230B have grease wood growing about three feet tall and doesn't appear to have been cultivated or irrigated for several years. The mowing machine has a robins nest built in the end of the cutter bar, which is at least two years old and the combine harvester is behind the mowing machine in the shed. It doesn't appear that any crops have been harvested for several years. There was no one at home, neither at the ranch house nor the dude ranch that day, but the next day I met Mr. Knee and he told me the grain had been irrigated three or four times. The dam had just washed out and he was having the county tractor come up to put the dam back in and also having a full-time farmer move on the place to take care of it. He also said that he had taken a group of dudes out every day since Easter. This is probably the most truthful statement he made during the day.

I was unable to find any tributaries to Pleasant Creek that day, but after dark when I was looking for a place to roll out my sleeping bag, I ran on to a cow puncher that had already gone to sleep and asked him about the tributaries. He said there were four and described them so well I was able to find all four the next day. They are as follows. The first one is Sulpher Creek, which comes in from the north side about one-half way between the Pleasant Creek Ranch and Boulder Mountain. It was flowing 1 3/4 inch over a foot Cipolletti for a flow of .2 c.f.s. About one-half mile above this, Tantalus Creek comes in from the south and flows 2 3/8 inches over a one foot Cipolletti weir for a flow of .33 c.f.s. About a mile and one-half above this, Clear Creek comes in from the north with a flow of .45 c.f.s. Then about one mile below the Boulder Mountain road, Wild Cat Creek comes in with a flow of 2.18 c.f.s.

Mr. Robert Lushert
Salt Lake City, Utah

June 24, 1957

They have very recently installed a new Parshall flume in the diversion of Pleasant Creek and it was flowing 1.27 feet through a one foot throat. This is a little less than six c.f.s. There was 30 1/2 c.f.s. diverted toward the lower Bowas Reservoir. I measured Pleasant Creek at the Pleasant Creek Ranch at two different points and got 8.39 c.f.s. at one point and 8.30 c.f.s. at the other point.

I next went to the Hotes Ranch. They were harvesting a last crop of alfalfa, and tail water was running ~~from above their diversion~~. I measured their stream at the point of diversion in two places and got 6.72 c.f.s. and 6.65 c.f.s. The waste water, which had returned to Pleasant Creek at the lower end of their ranch, measured 2.66 c.f.s. Here again the maps were quite liberal on the irrigated land. The land north of the road has grease wood four foot tall and I was told by a cow hand that it had not been cropped or irrigated for twelve years. Some of the other lands was thickly covered with willows. I estimated the capacity of their diversion ditch to be near 10 c.f.s. I next went to the Bowas Ranch, and while this has been badly run down in years past, the present manager seems to be very progressive. He is installing permanent underground sprinklers on the north portion of his ranch and most of the rest had been gone over with a ditcher, making a new ditch at every three-hundred foot interval through the grain fields. He was irrigating the grain with syphon tubes and had a night man attend the water on the alfalfa all night. During the past year, he has leveled some of the grain fields and appears to be an up-to-date farmer.

At the present time, I am planning to return in about two weeks and measure about the same streams at near the same points. Is there any other information you would like me to gather or is any of this material unnecessary? Any suggestions will be welcomed.

As the weather gets dryer and the sands deeper, it may be impossible to cover this territory in anything but a jeep. Some of the tributaries to Pleasant Creek are located in very remote areas and if a person broke down or had difficulty, it would certainly be a long walk out.

Sincerely yours,

Theron Ashcroft
Theron Ashcroft

TA:vja